

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107620.D
 Acq On : 24 Jul 2018 15:51
 Operator : JU/SJ
 Sample : J4096-05 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-7

Quant Time: Jul 25 01:02:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	269028	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1074176	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	456247	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	787928	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	564878	20.00	ng	-0.01
86) Perylene-d12	15.69	264	530831	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	597761	35.72	ng	0.00
7) Phenol-d6	6.60	99	801407	39.89	ng	-0.01
23) Nitrobenzene-d5	7.53	82	462272	29.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	167664	32.32	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	748520	20.76	ng	-0.02
78) Terphenyl-d14	13.08	244	550438	24.95	ng	-0.02

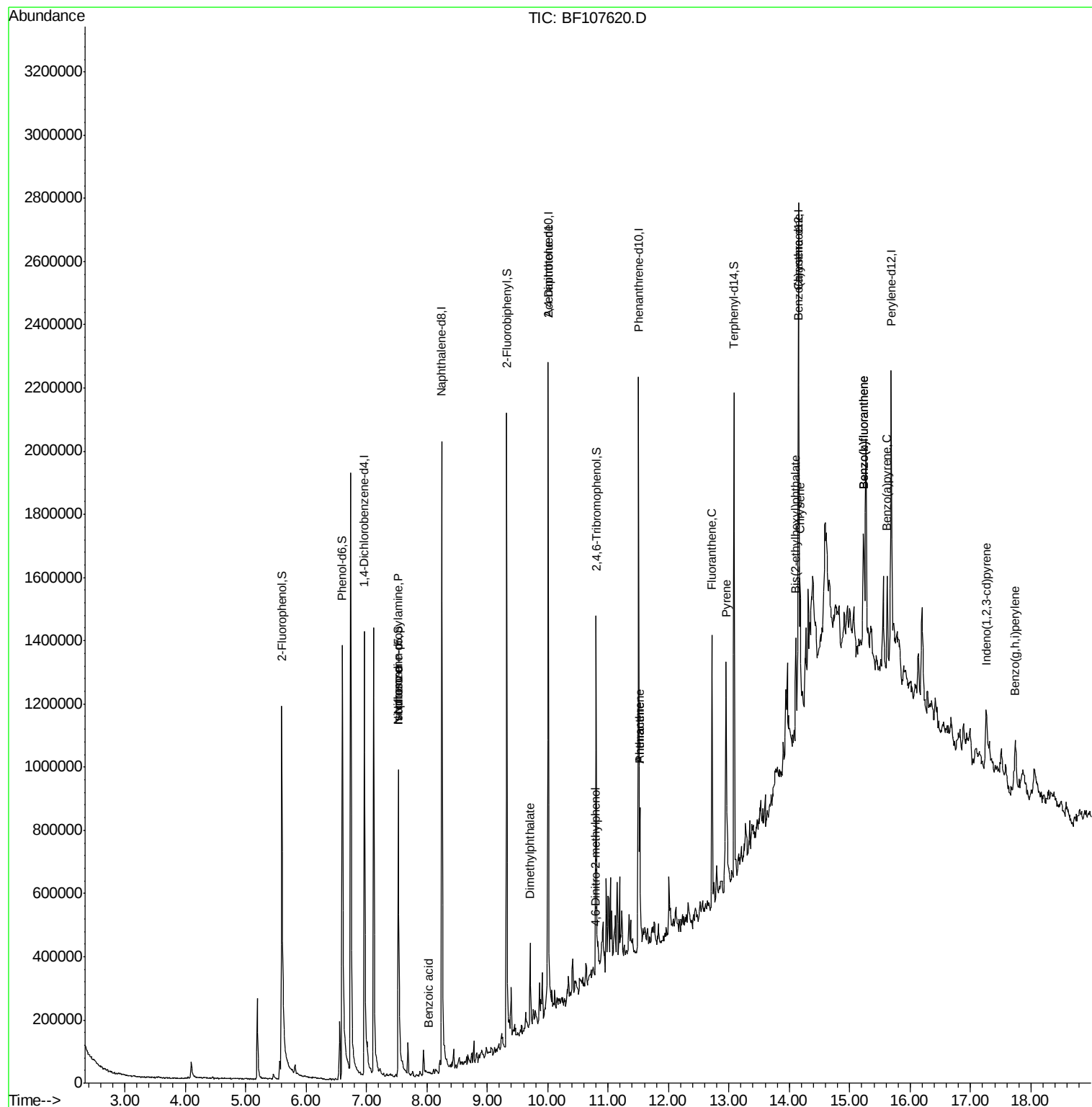
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1737	Below Cal		# 22
19) n-Nitroso-di-n-propylamine	7.53	70	56990	4.391	ng	# 81
25) Isophorone	7.53	82	462272	13.602	ng	# 64
32) Benzoic acid	8.03	122	127	7.910	ng	# 52
49) Dimethylphthalate	9.71	163	73109	2.126	ng	# 98
56) 2,4-Dinitrotoluene	10.01	165	56510	6.857	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.78	198	116	8.706	ng	# 1
70) Phenanthrene	11.52	178	155165	4.041	ng	98
71) Anthracene	11.52	178	155165	4.014	ng	99
73) Di-n-butylphthalate	12.05	149	6253	Below Cal		# 71
74) Fluoranthene	12.72	202	413754	10.042	ng	97
77) Pyrene	12.95	202	345273	8.936	ng	97
80) Benzo(a)anthracene	14.14	228	151868	4.588	ng	98
81) 3,3'-Dichlorobenzidine	14.10	252	929	Below Cal		# 22
82) Chrysene	14.18	228	178479	5.613	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	73083	3.117	ng	95
85) Indeno(1,2,3-cd)pyrene	17.26	276	141038	5.233	ng	# 85
87) Benzo(b)fluoranthene	15.23	252	334583	11.517	ng	# 90
88) Benzo(k)fluoranthene	15.23	252	334583	11.755	ng	# 93
89) Benzo(a)pyrene	15.62	252	151238	5.691	ng	# 86
91) Benzo(g,h,i)perylene	17.74	276	136484	6.023	ng	93

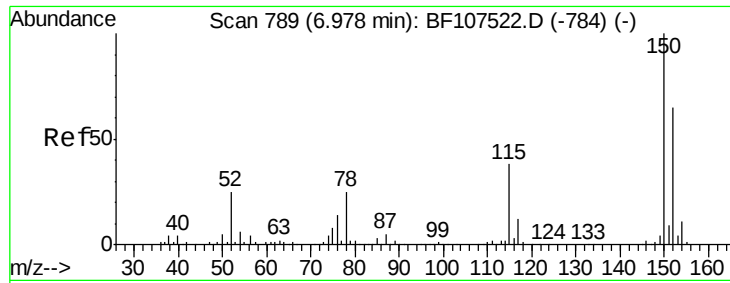
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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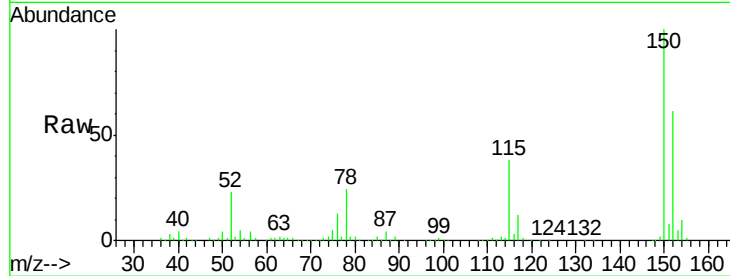


#1

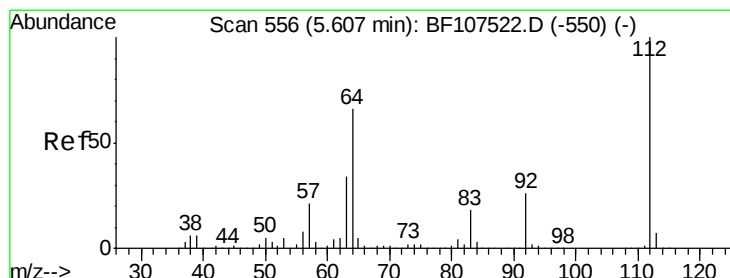
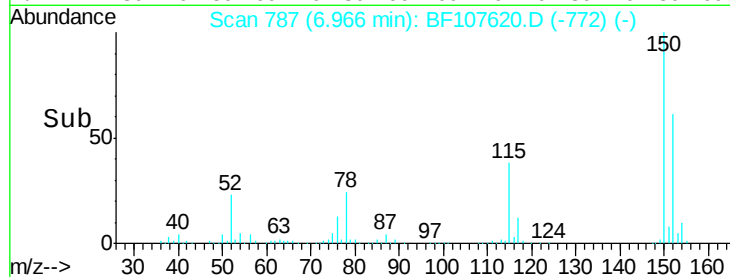
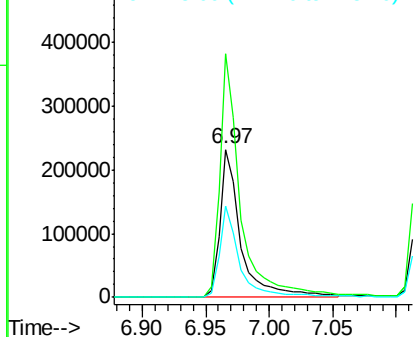
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107620.D
Acq: 24 Jul 2018 15:51

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Tgt Ion:152 Resp: 269028
Ion Ratio Lower Upper
152 100
150 164.4 124.6 186.8
115 61.9 50.1 75.1



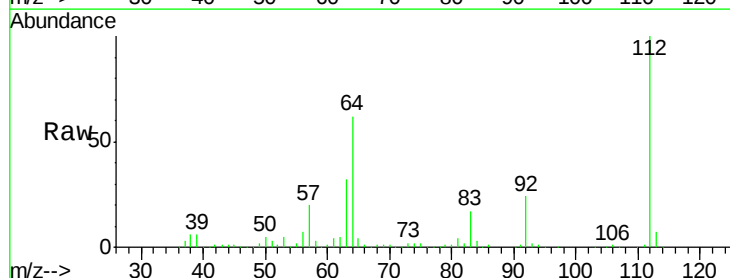
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



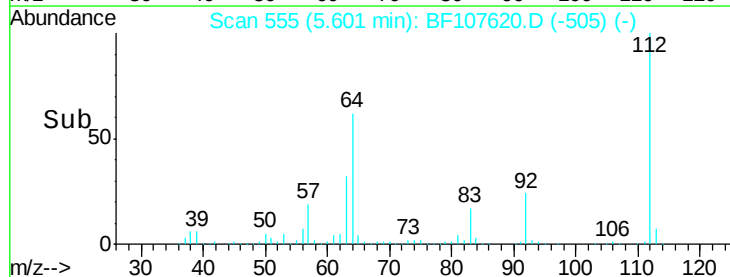
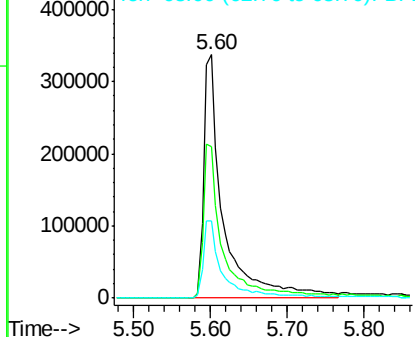
#5

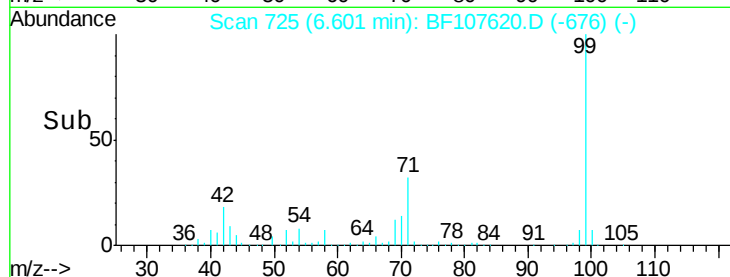
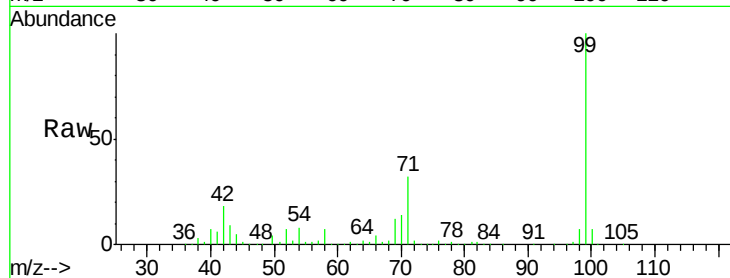
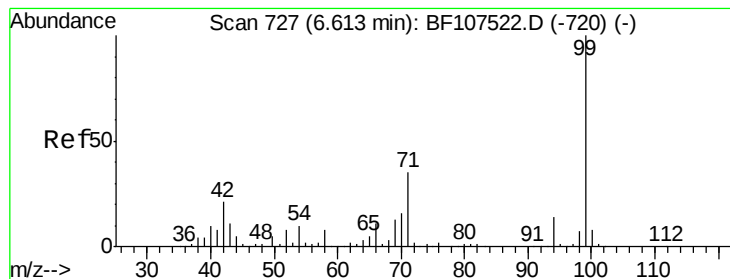
2-Fluorophenol
Concen: 35.724 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107620.D
Acq: 24 Jul 2018 15:51

Tgt Ion:112 Resp: 597761
Ion Ratio Lower Upper
112 100
64 62.2 47.9 71.9
63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 39.888 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

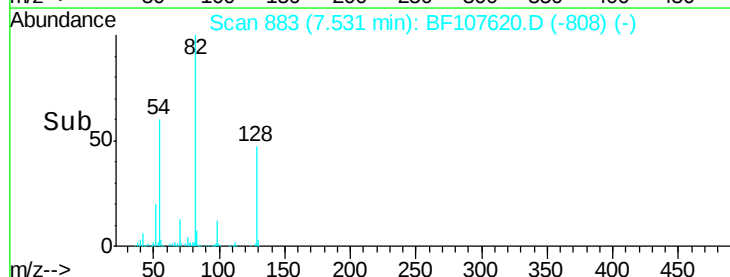
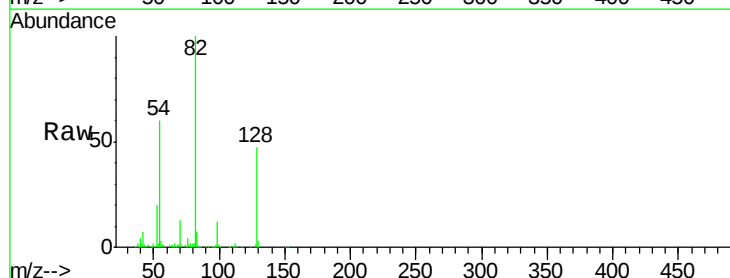
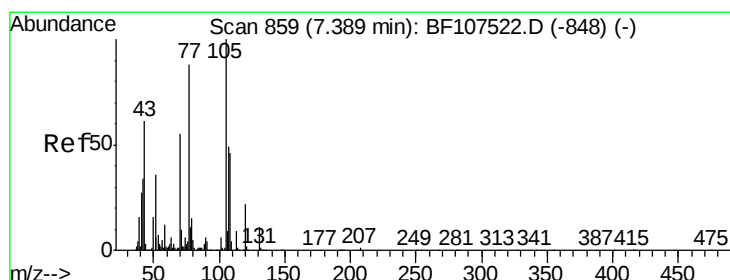
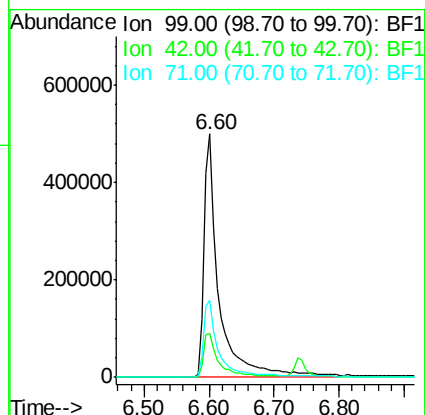
Tgt Ion: 99 Resp: 801407

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

71 31.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.391 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Tgt Ion: 70 Resp: 56990

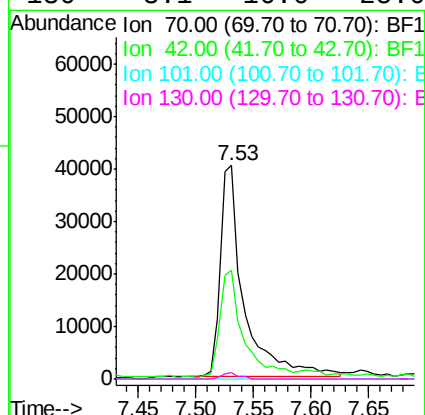
Ion Ratio Lower Upper

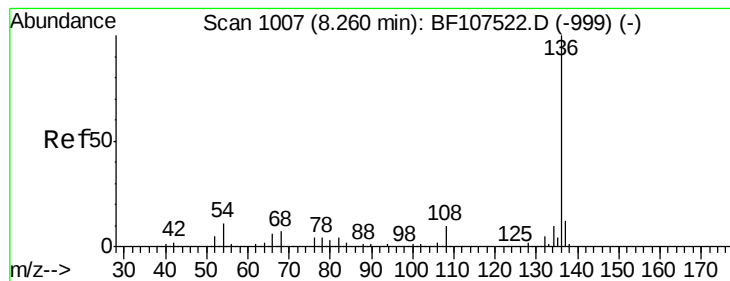
70 100

42 50.8 47.5 71.3

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

Tgt Ion:136 Resp: 1074176

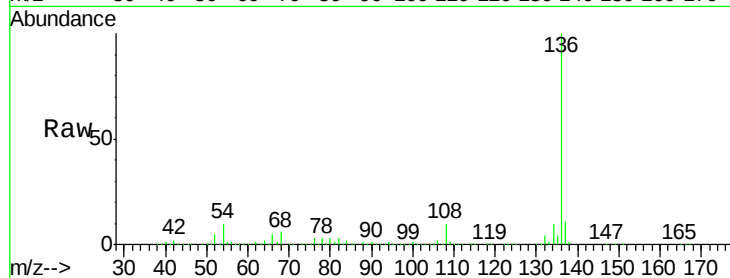
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.9 6.6 9.8#

68 5.7 5.0 7.4

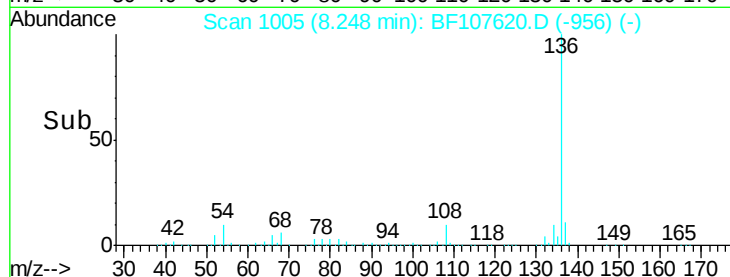


Abundance Ion 136.00 (135.70 to 136.70): E

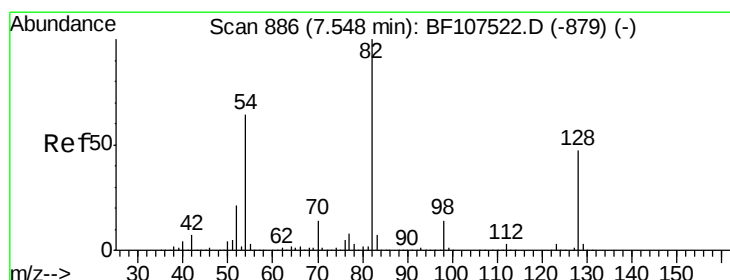
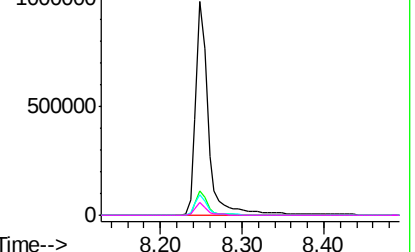
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 29.043 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

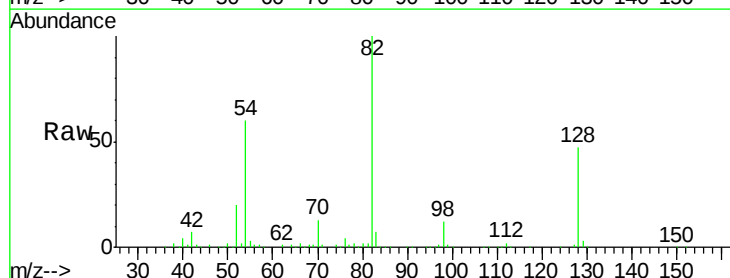
Tgt Ion: 82 Resp: 462272

Ion Ratio Lower Upper

82 100

128 47.3 36.1 54.1

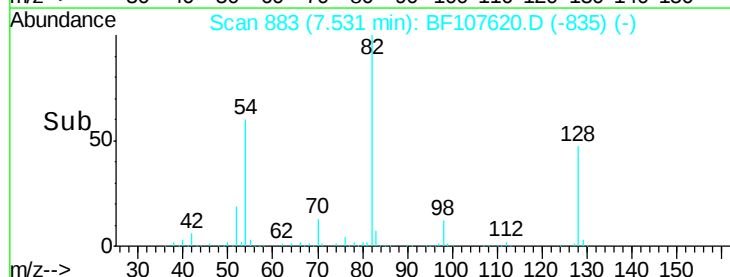
54 59.8 41.4 62.2



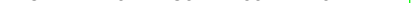
Abundance Ion 82.00 (81.70 to 82.70): BF1

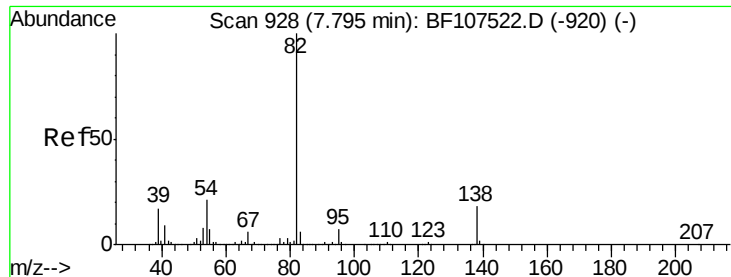
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 13.602 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

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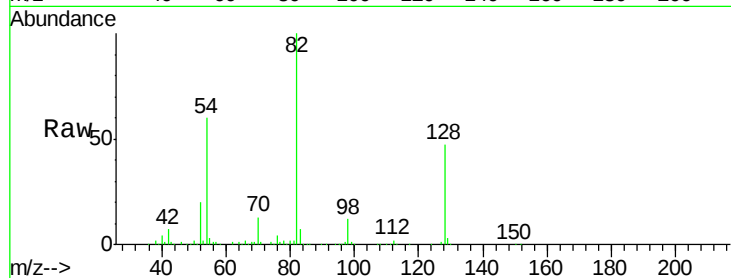
Tgt Ion: 82 Resp: 462272

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

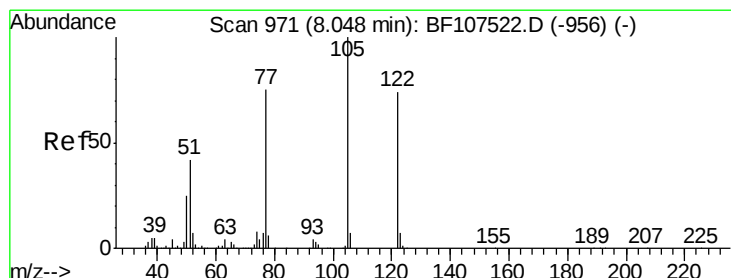
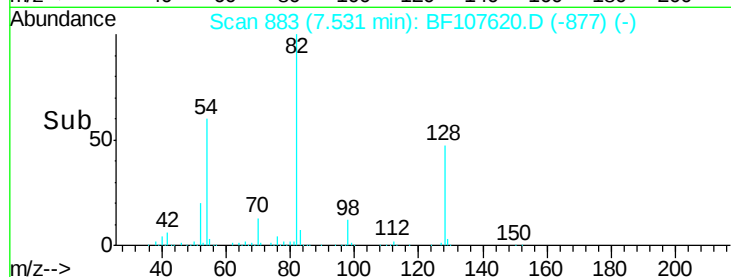
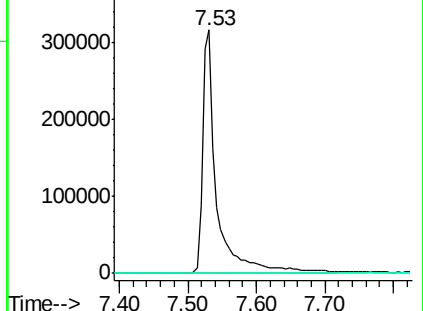
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.910 ng

RT: 8.03 min Scan# 968

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

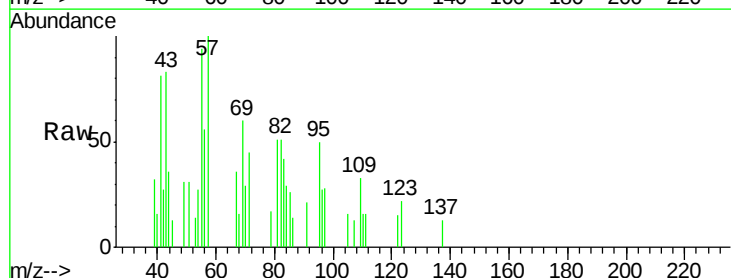
Tgt Ion: 122 Resp: 127

Ion Ratio Lower Upper

122 100

105 108.4 101.1 141.1

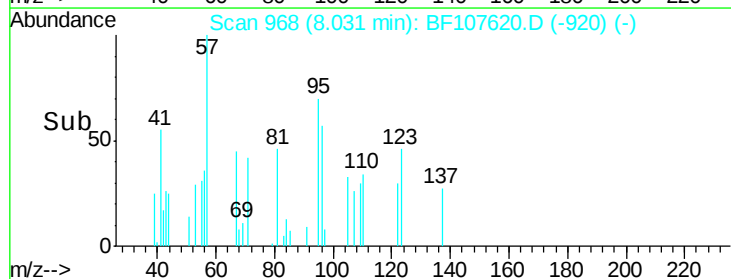
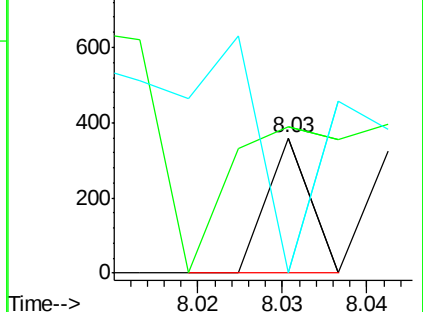
77 0.0 70.7 110.7#

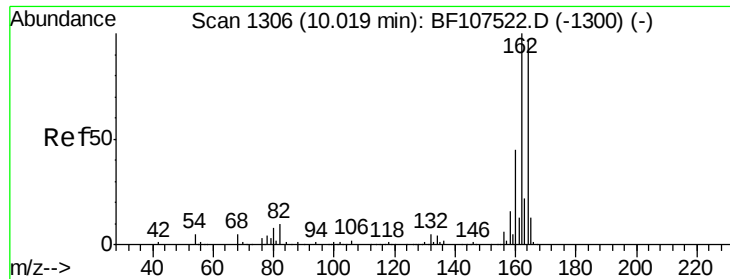


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

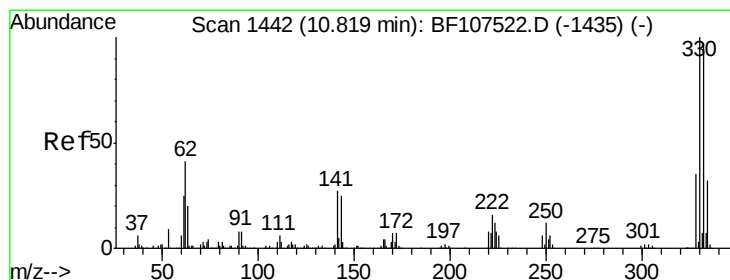
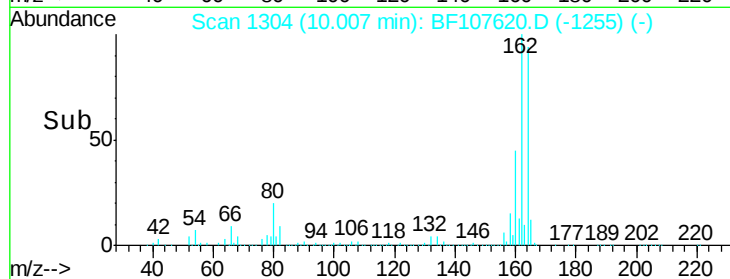
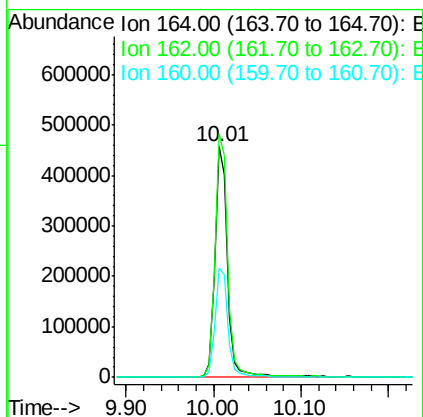
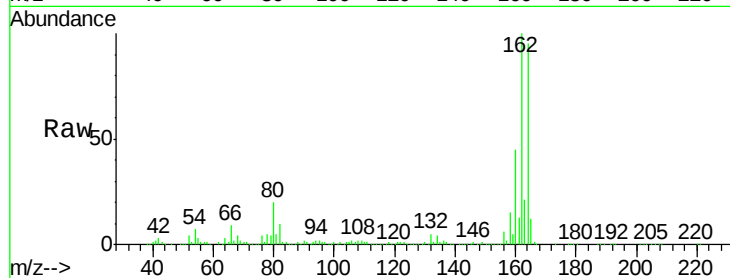




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107620.D
Acq: 24 Jul 2018 15:51

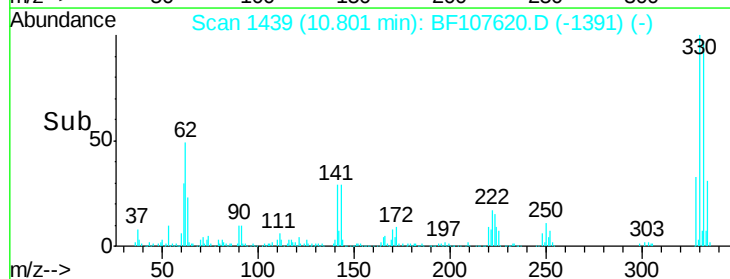
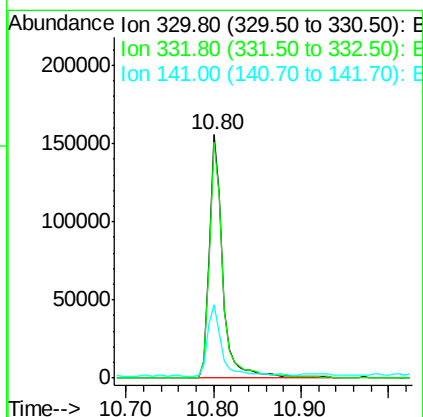
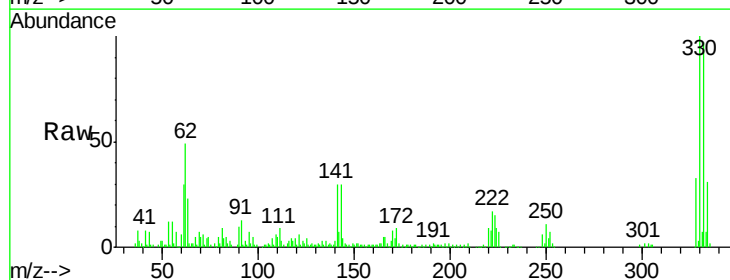
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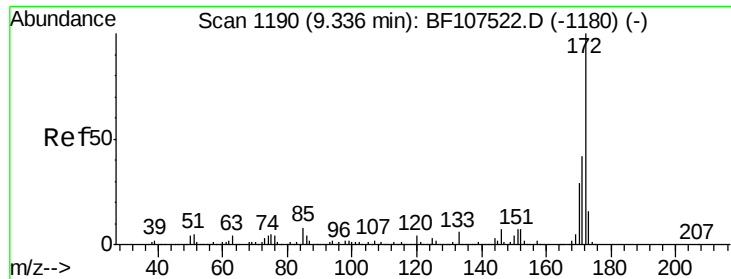
Tgt Ion:164 Resp: 456247
Ion Ratio Lower Upper
164 100
162 105.7 86.1 129.1
160 47.4 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 32.316 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.02 min
Lab File: BF107620.D
Acq: 24 Jul 2018 15:51

Tgt Ion:330 Resp: 167664
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.6
141 28.9 29.9 44.9#

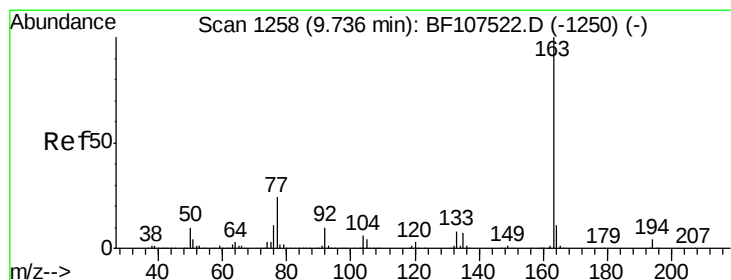
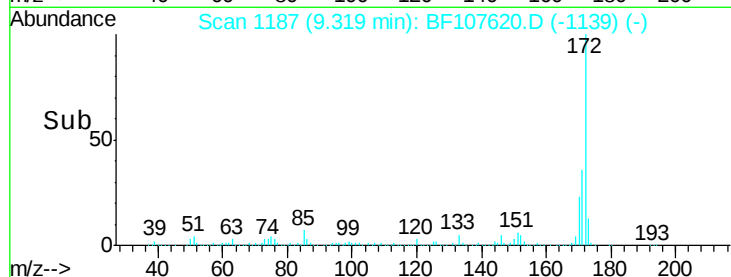
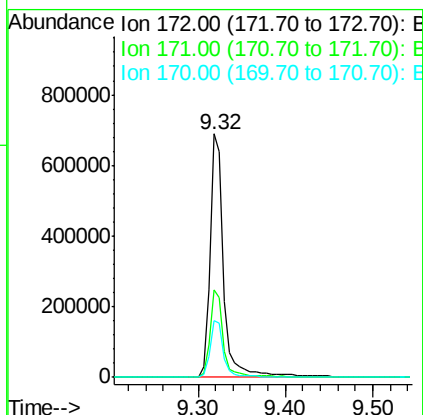
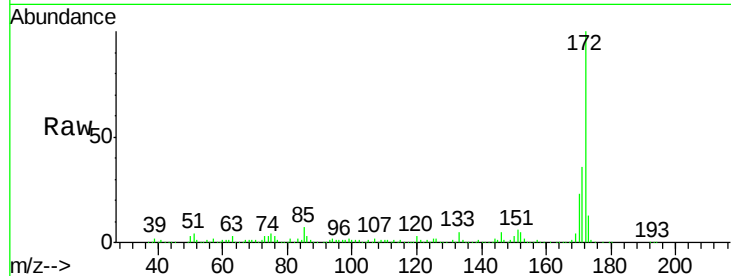




#44
 2-Fluorobiphenyl
 Concen: 20.758 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107620.D
 Acq: 24 Jul 2018 15:51

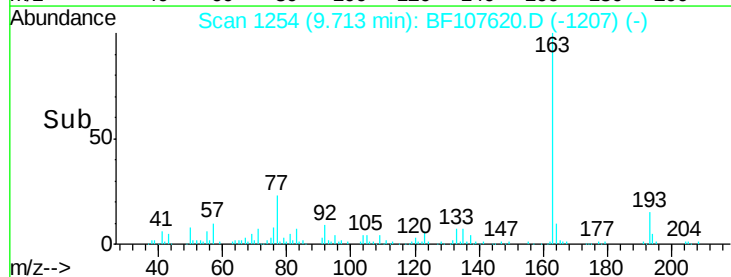
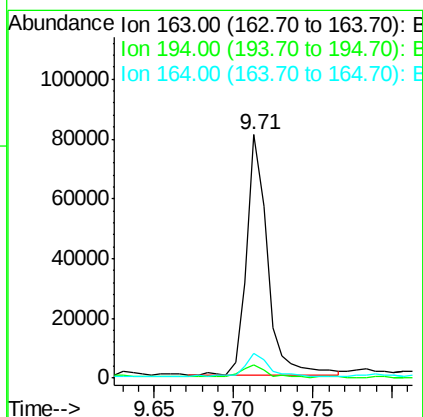
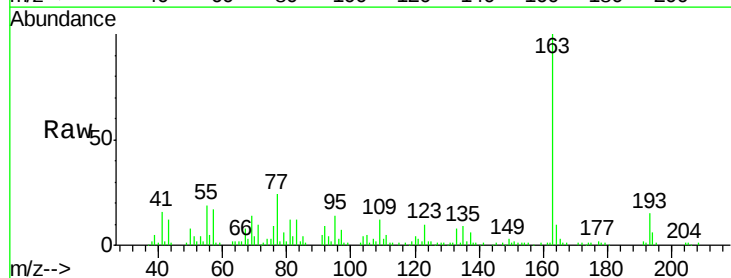
Instrument :
 BNA_F
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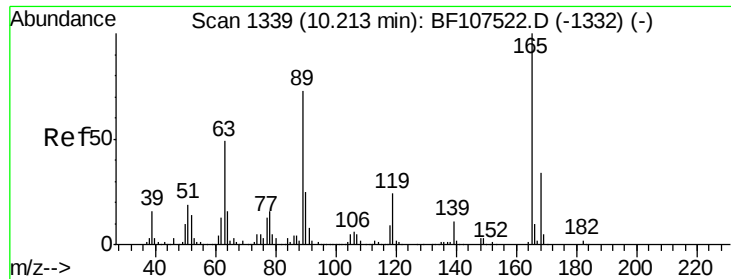
Tgt Ion:172 Resp: 748520
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.5 19.6 29.4



#49
 Dimethylphthalate
 Concen: 2.126 ng
 RT: 9.71 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF107620.D
 Acq: 24 Jul 2018 15:51

Tgt Ion:163 Resp: 73109
 Ion Ratio Lower Upper
 163 100
 194 5.6 2.7 4.1#
 164 10.3 8.2 12.2

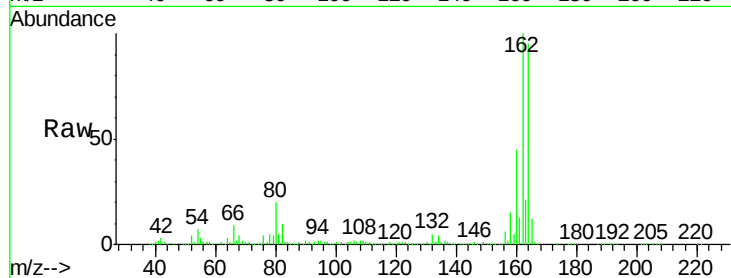




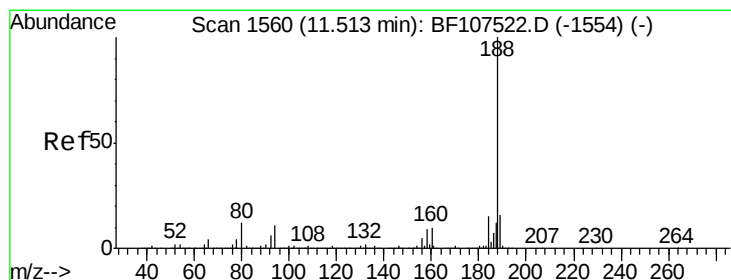
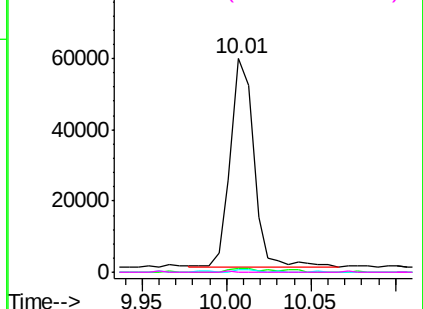
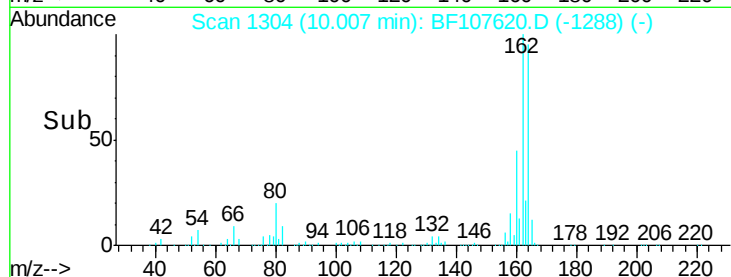
#56
2,4-Dinitrotoluene
Concen: 6.857 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107620.D
Acq: 24 Jul 2018 15:51

Instrument :
BNA_F
ClientSampleId :
DW-7

Tgt Ion:165 Resp: 56510
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#

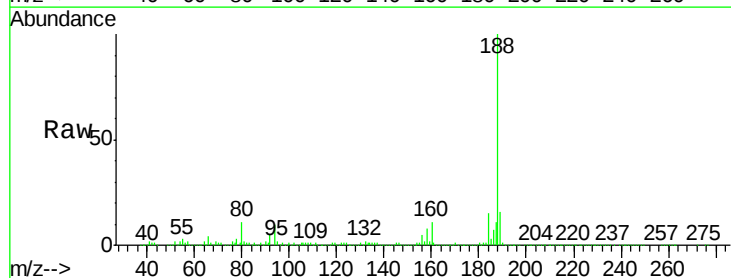


Abundance Ion 165.00 (164.70 to 165.70): E

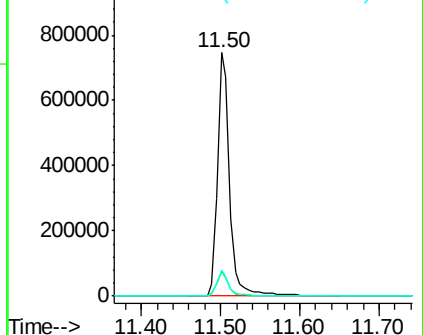
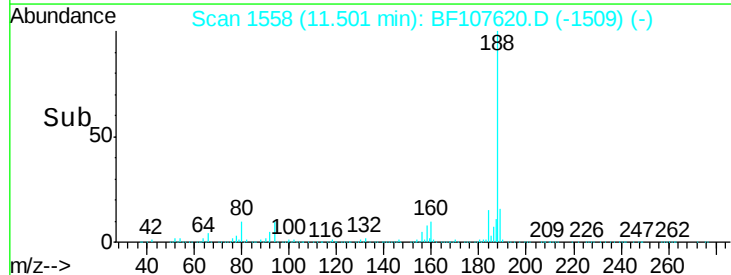


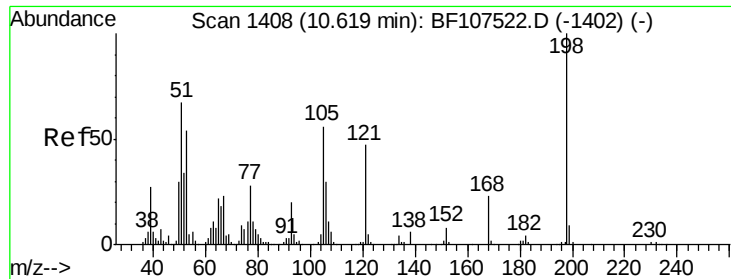
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107620.D
Acq: 24 Jul 2018 15:51

Tgt Ion:188 Resp: 787928
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 8.706 ng

RT: 10.78 min Scan# 1435

Delta R.T. 0.16 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

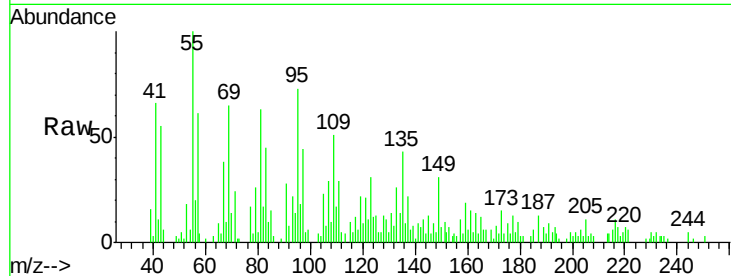
Tgt Ion:198 Resp: 116

Ion Ratio Lower Upper

198 100

51 264.3 37.7 77.7#

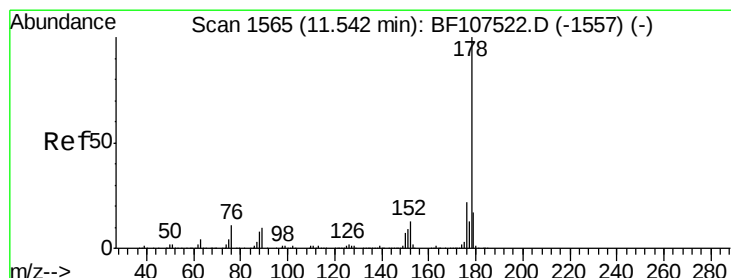
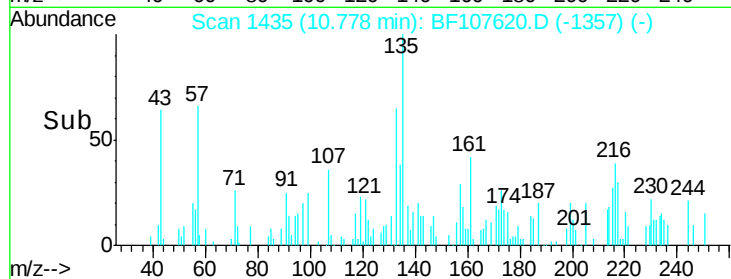
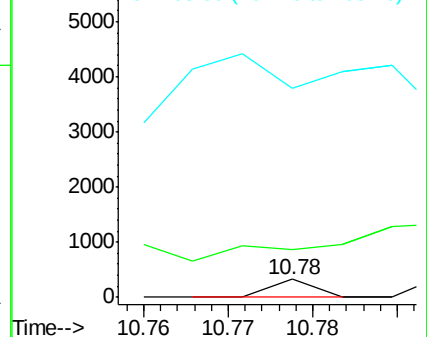
105 1156.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 4.041 ng

RT: 11.52 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

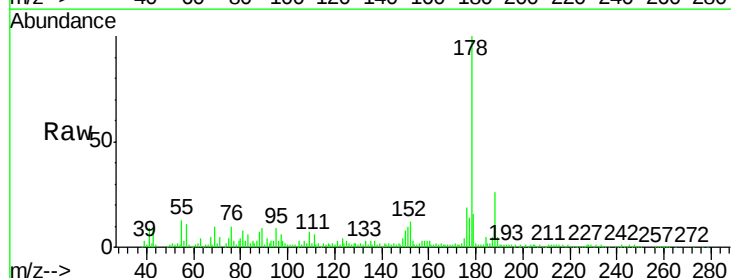
Tgt Ion:178 Resp: 155165

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

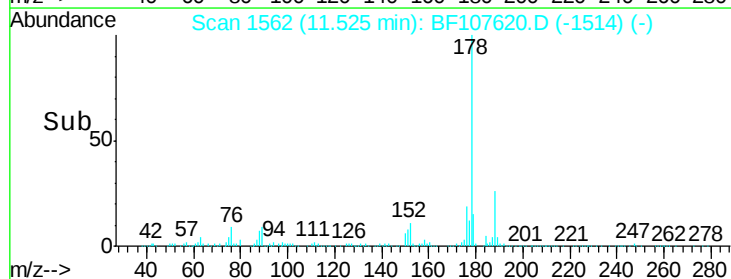
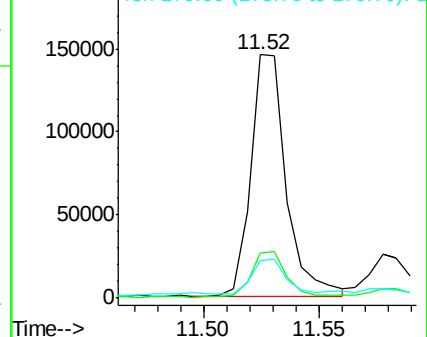
179 15.6 13.0 19.6

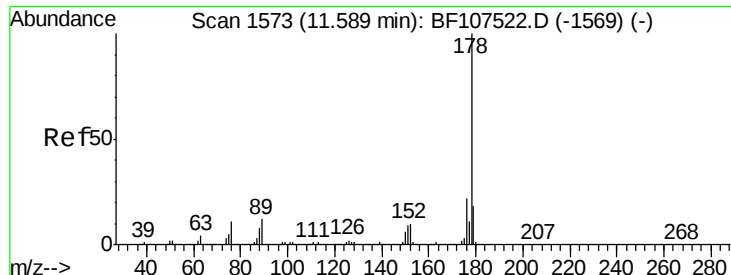


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

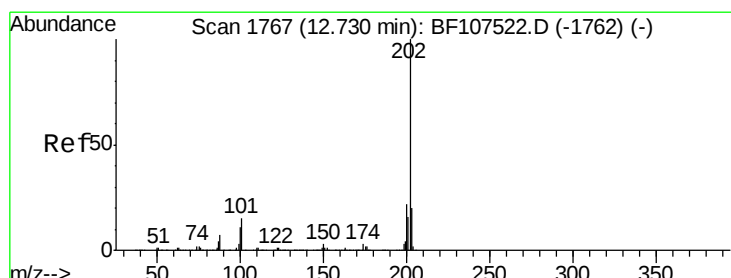
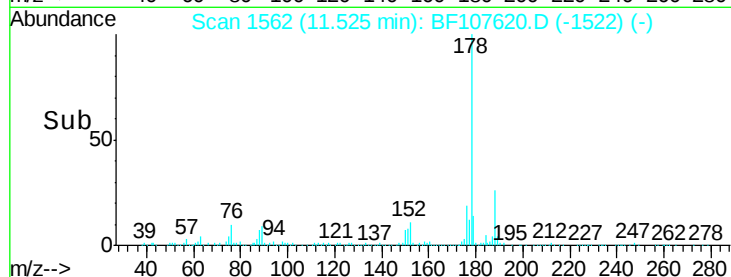
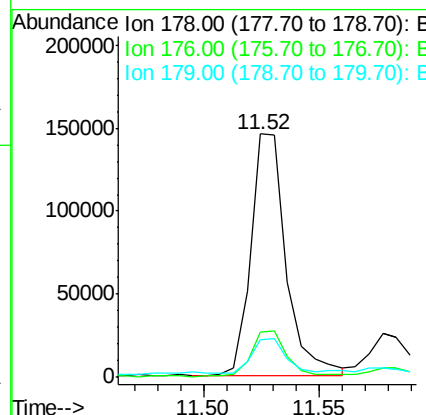
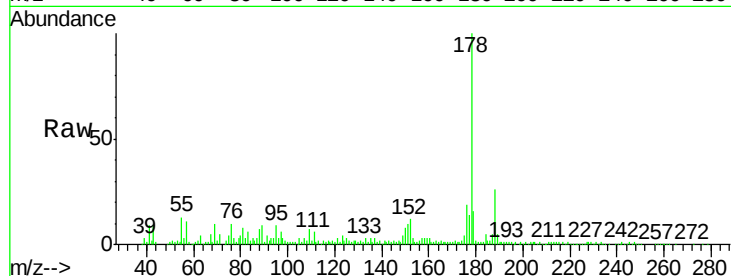




#71
 Anthracene
 Concen: 4.014 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: BF107620.D
 Acq: 24 Jul 2018 15:51

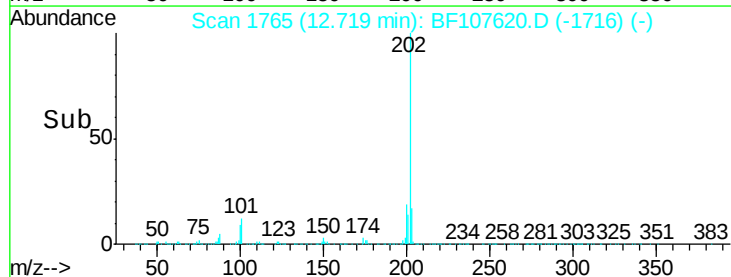
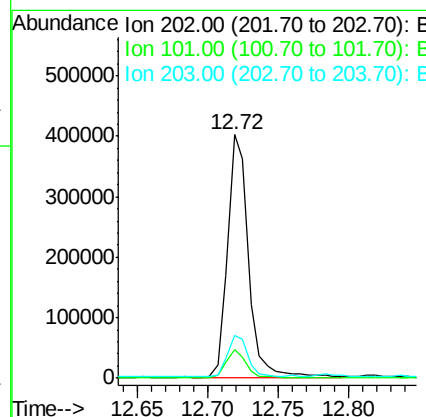
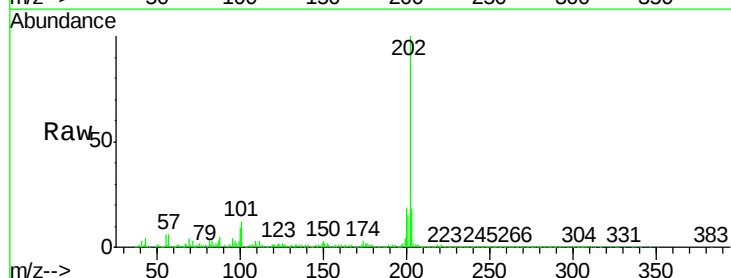
Instrument :
 BNA_F
 ClientSampleId :
 DW-7

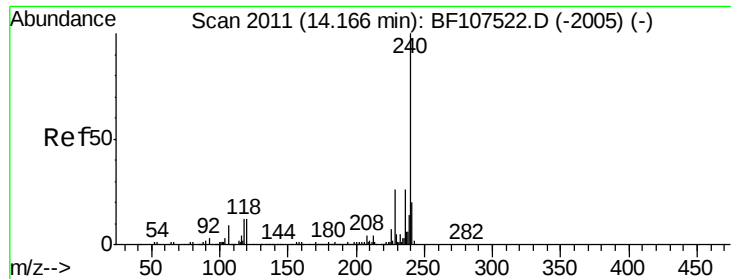
Tgt Ion:178 Resp: 155165
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.6 12.6 19.0



#74
 Fluoranthene
 Concen: 10.042 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF107620.D
 Acq: 24 Jul 2018 15:51

Tgt Ion:202 Resp: 413754
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

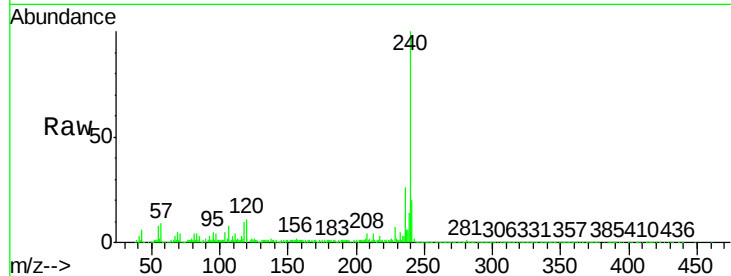
Tgt Ion:240 Resp: 564878

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

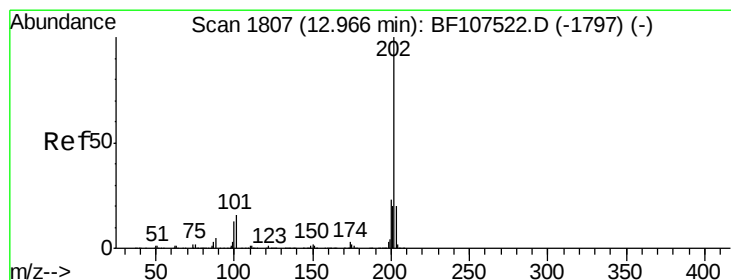
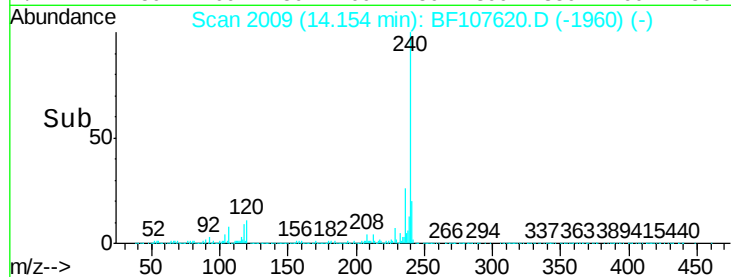
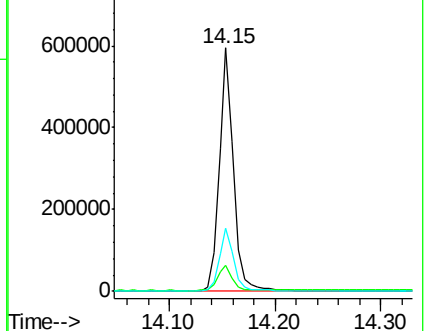
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.936 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

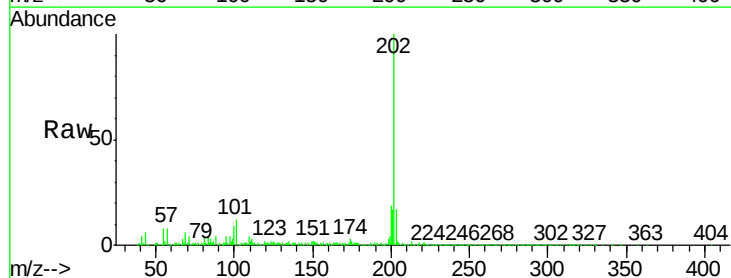
Tgt Ion:202 Resp: 345273

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

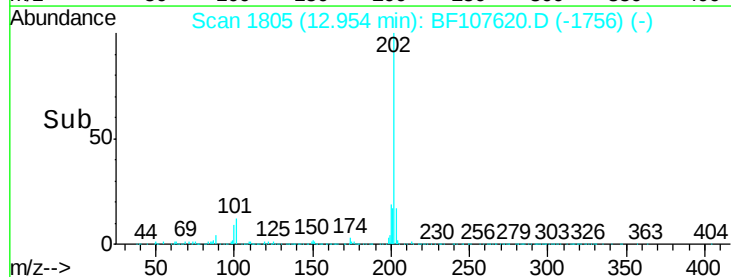
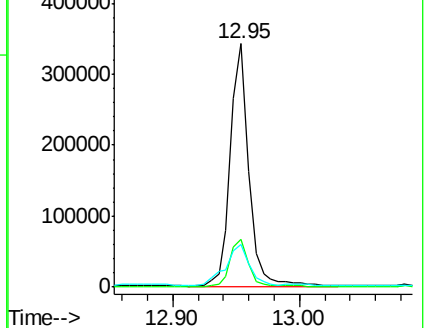
203 17.4 14.3 21.5

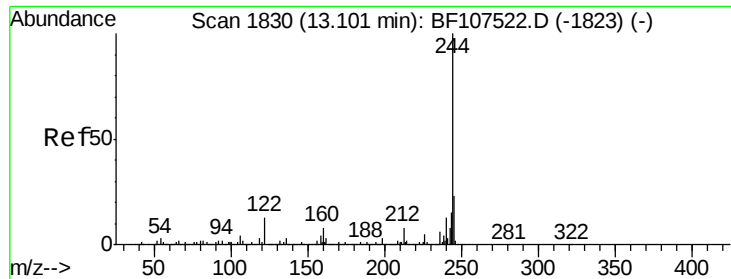


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 24.946 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

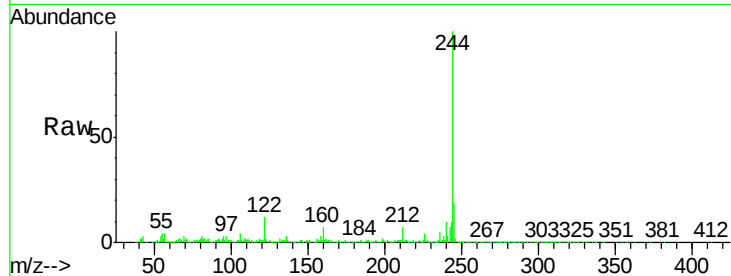
Tgt Ion:244 Resp: 550438

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

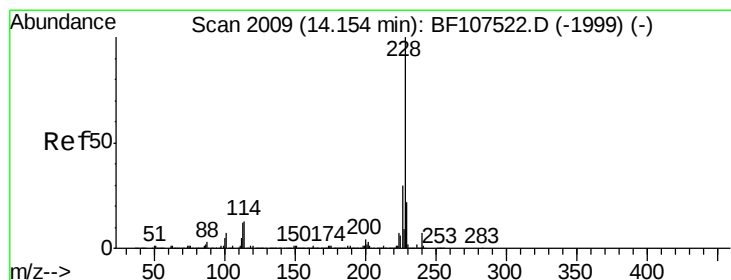
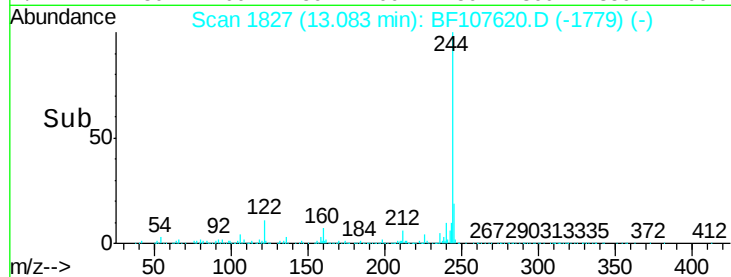
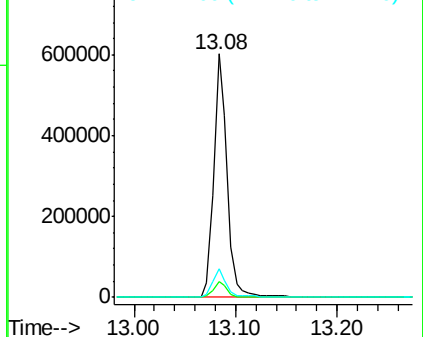
122 11.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.588 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

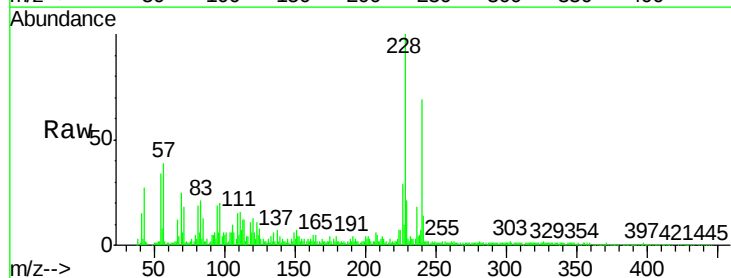
Tgt Ion:228 Resp: 151868

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

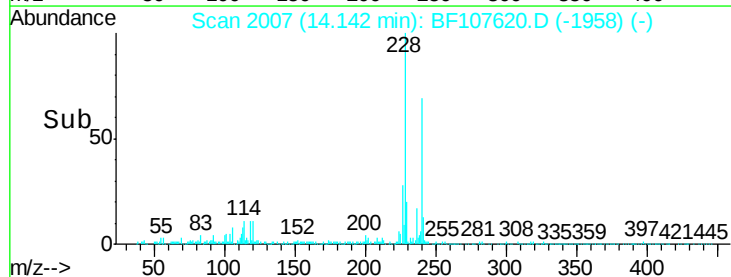
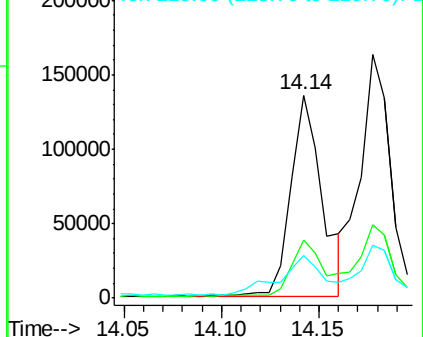
229 21.3 15.8 23.6

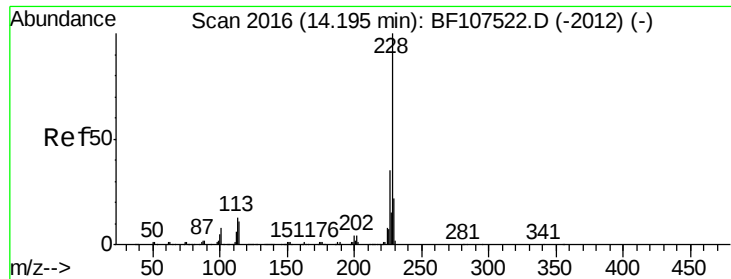


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.613 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

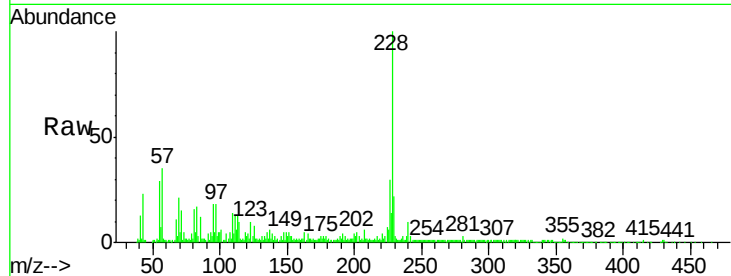
Tgt Ion:228 Resp: 178479

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

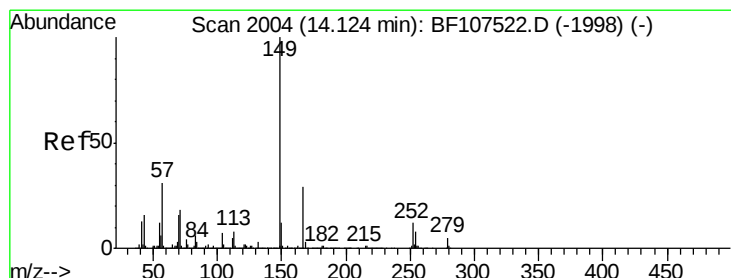
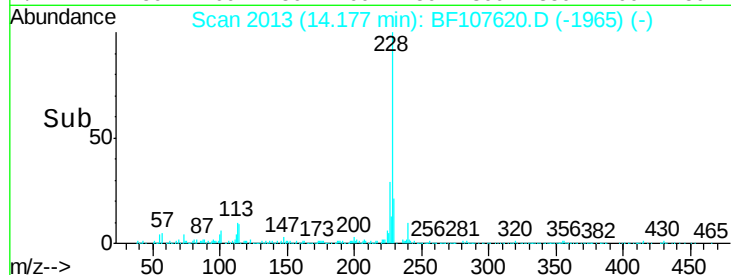
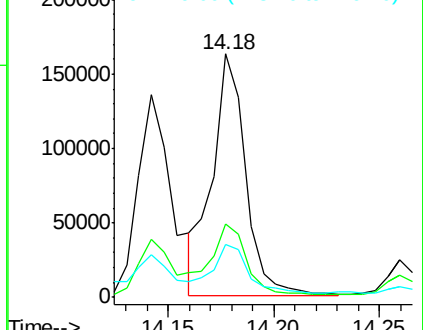
229 21.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.117 ng

RT: 14.11 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

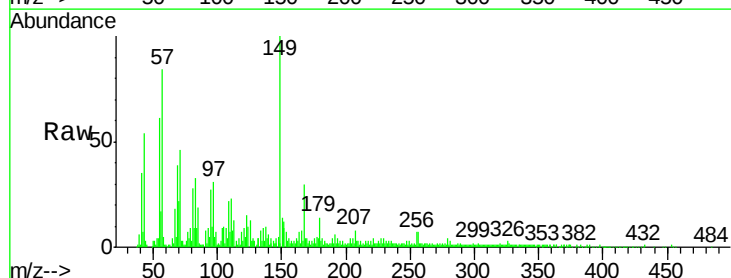
Tgt Ion:149 Resp: 73083

Ion Ratio Lower Upper

149 100

167 29.6 21.3 31.9

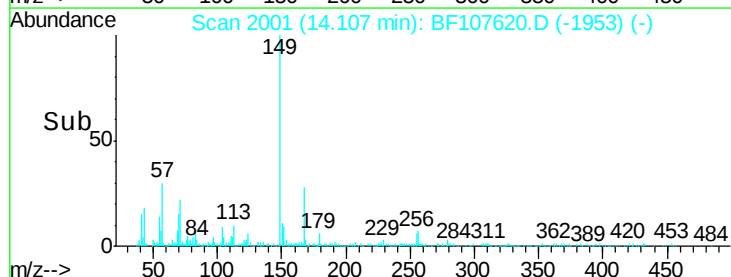
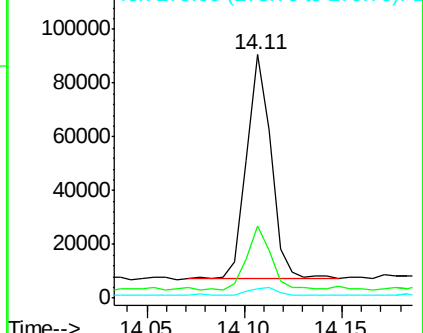
279 3.9 3.0 4.4

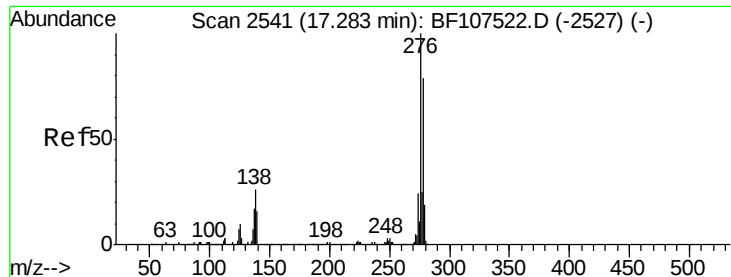


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

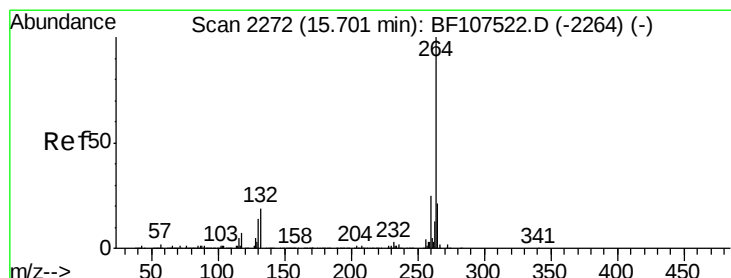
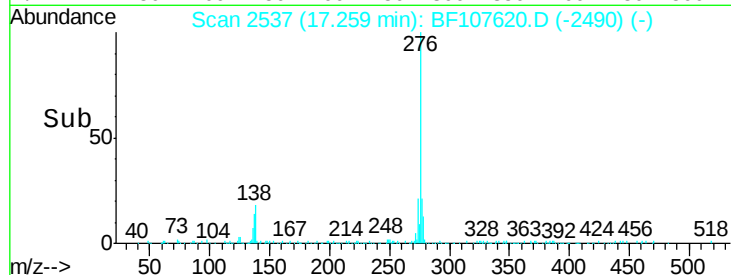
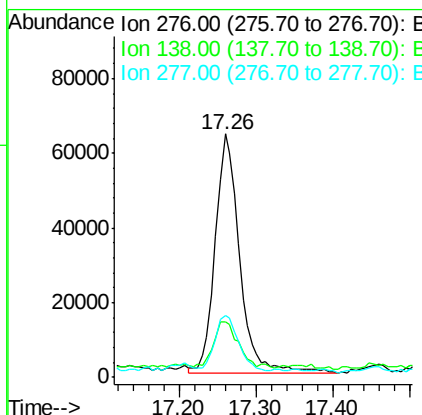
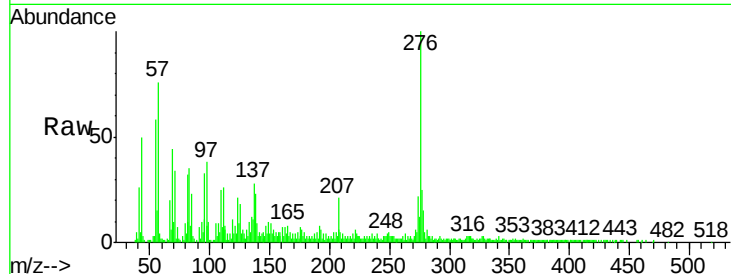




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.233 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. -0.02 min
 Lab File: BF107620.D
 Acq: 24 Jul 2018 15:51

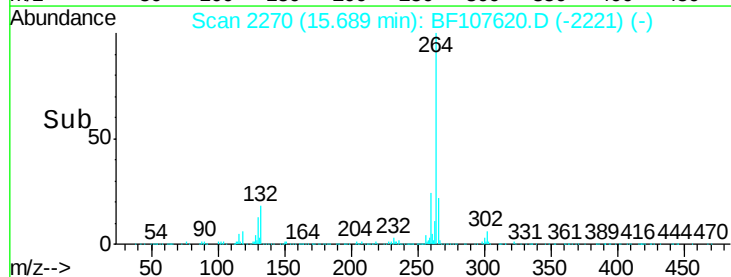
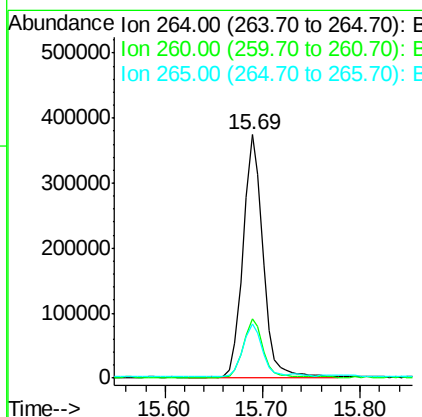
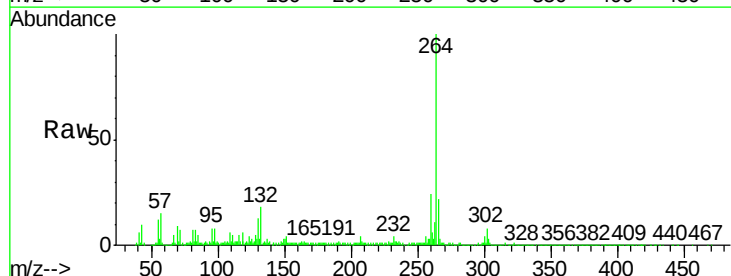
Instrument :
 BNA_F
 ClientSampleId :
 DW-7

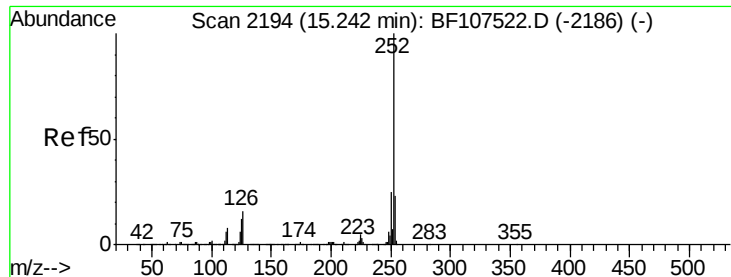
Tgt Ion: 276 Resp: 141038
 Ion Ratio Lower Upper
 276 100
 138 19.3 25.0 37.6#
 277 21.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF107620.D
 Acq: 24 Jul 2018 15:51

Tgt Ion: 264 Resp: 530831
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 11.517 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

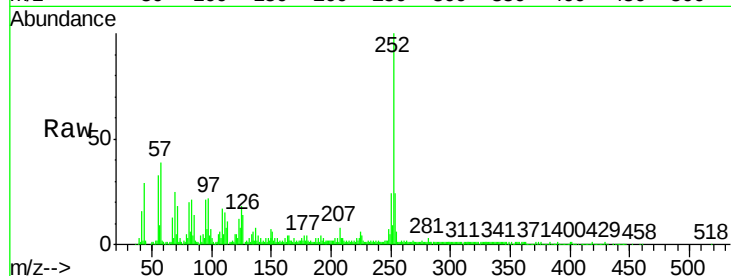
Tgt Ion:252 Resp: 334583

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

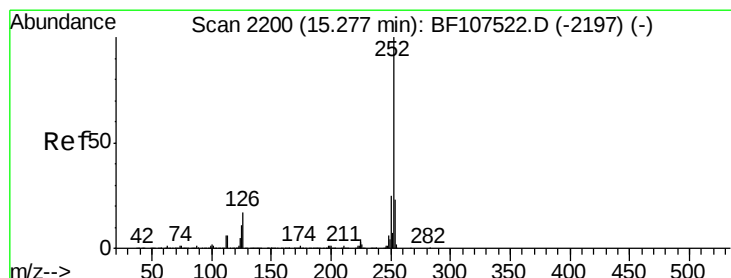
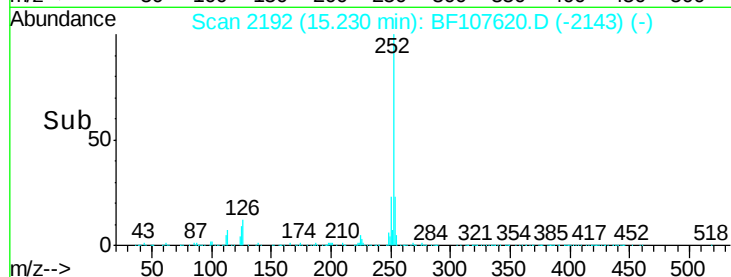
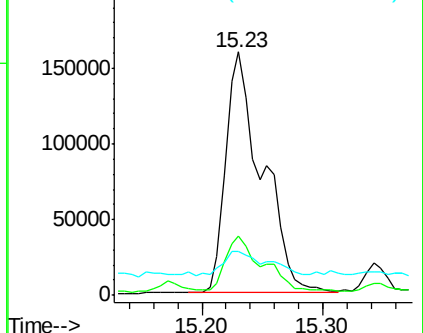
125 18.1 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 11.755 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.05 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

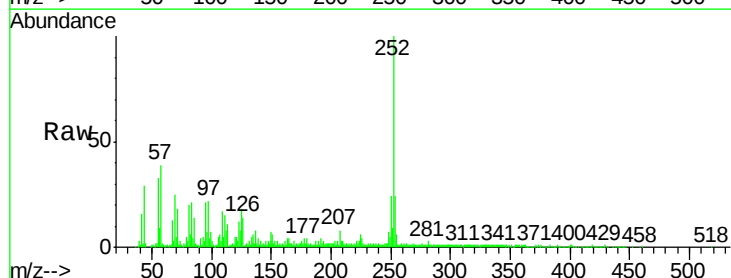
Tgt Ion:252 Resp: 334583

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

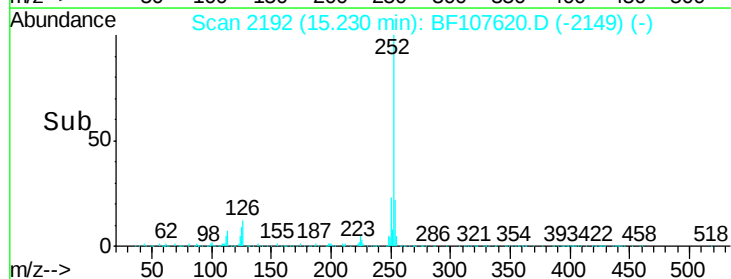
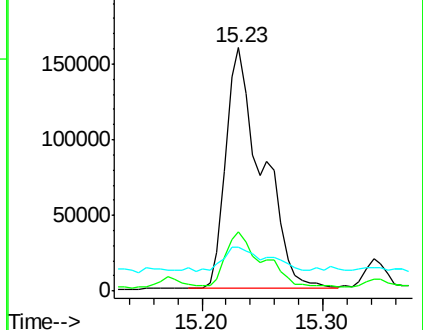
125 18.1 10.2 15.2#

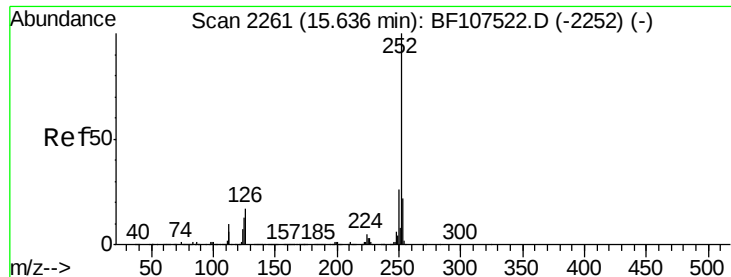


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.691 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

Instrument :

BNA_F

ClientSampleId :

DW-7

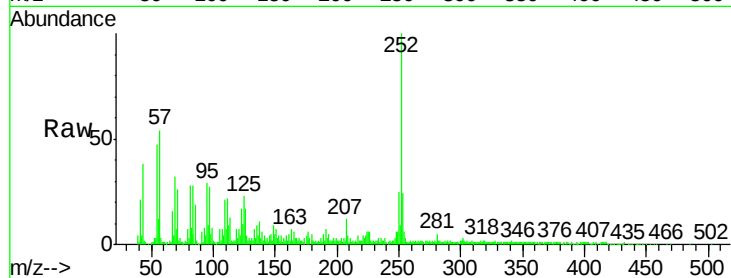
Tgt Ion:252 Resp: 151238

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

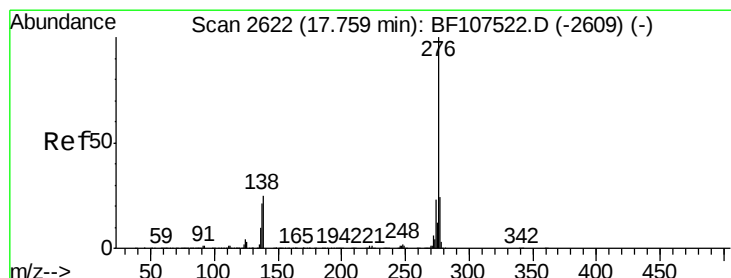
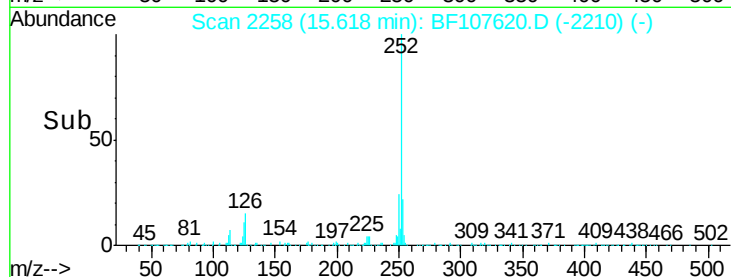
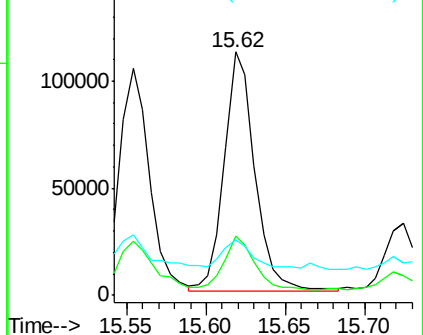
125 22.9 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.023 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF107620.D

Acq: 24 Jul 2018 15:51

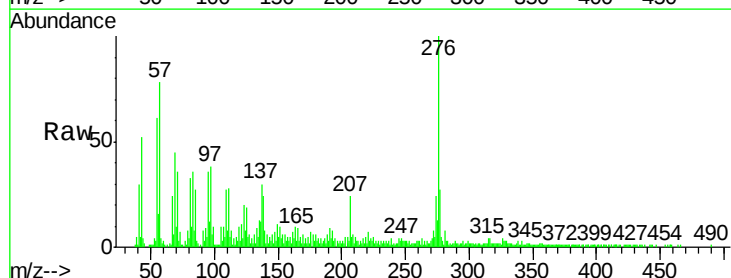
Tgt Ion:276 Resp: 136484

Ion Ratio Lower Upper

276 100

277 26.8 17.9 26.9

138 24.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

